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Äpprovetifor Release 2000/08/30 : CIA-RDP80R01443R000300020066-21954 NSC BRIEFING

	PERFORMANCE ESTIMATE FOR SOVIET JET 1 25X1X7	EAVY BOMBER			
25X1X7 I.	estimates of performance as of l	957 for the			
25X1C 25X4D	Soviet Heavy Jet Bomber have been finali	ized. For			
25X1D	comparative purposes,				
25X1X7 25X1X7	estimates are herein presented.				
23/1//					
25X1C					
		Radius/Range ssion			
·	Take off weight (pounds) 345 Bomb load	5,000			
	and the second s	,000			
	_	,600			
	4	5,100			
		3,700			
:	speed (knots)	487			

USAF Declass/Release Instructions On File

bomb loads (multi-megaton weapons) are such that without utilizing forward staging bases (Chukotski) and range extension techniques e.g. in-flight refueling or one-way missions, the represents a striking power still generally oriented toward Europe, Asia, and peripheral areas. Thus, the full measure of threat posed by the

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TOI DECIME!

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depends upon

25X1D

- a. an as yet undemonstrated in-flight refueling capability requiring 18 months to 2 years to develop and
- 25X1D
- operational aircraft on missions with the expectation that only half might reach assigned targets.
- one in which the TU-4 would still figure prominently,

 with the a strong element of strength against

 Eurasian and peripheral targets, and just

 coming into significant quantity. Given Soviet nuclear

25X1D

but it is not particularly alarming with respect to the 25X1D

continental US. However, with series production,

capabilities, this is a serious and formidable picture,

operational staging bases, and an effective in-flight

refueling system, the threat increases sharply becoming

 $\label{eq:condition} \begin{aligned} & \mathsf{Approved}_{\mathtt{very}} \mathsf{For}_{\mathtt{graves}} \mathsf{ese}_{\mathtt{by}} \mathsf{2000} \mathsf{98} \mathsf{30}_{\mathtt{d}} ; \; \mathsf{GLA}_{\mathtt{RDP80R01443R000300020006-2} \end{aligned}$

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Background

BOMB LOAD VARIATIONS

25X1D

thousand pounds and increasing the fuel load accordingly, the combat radius/range of may be extended slightly.

However, nuclear ordnance weighing 3,000 lb. would be a marginally acceptable strategic weapon. If effectively constructed, a 3,000 lb. weapon could yield an energy equivalent of approximately 20KT—the yield of the Nagasaki bomb. By extravagant, inefficient use of nuclear material this yield could be boosted. Such uneconomical use of nuclear material appears unlikely as the Soviet stockpile of nuclear material in 1957 will still be relatively modest.

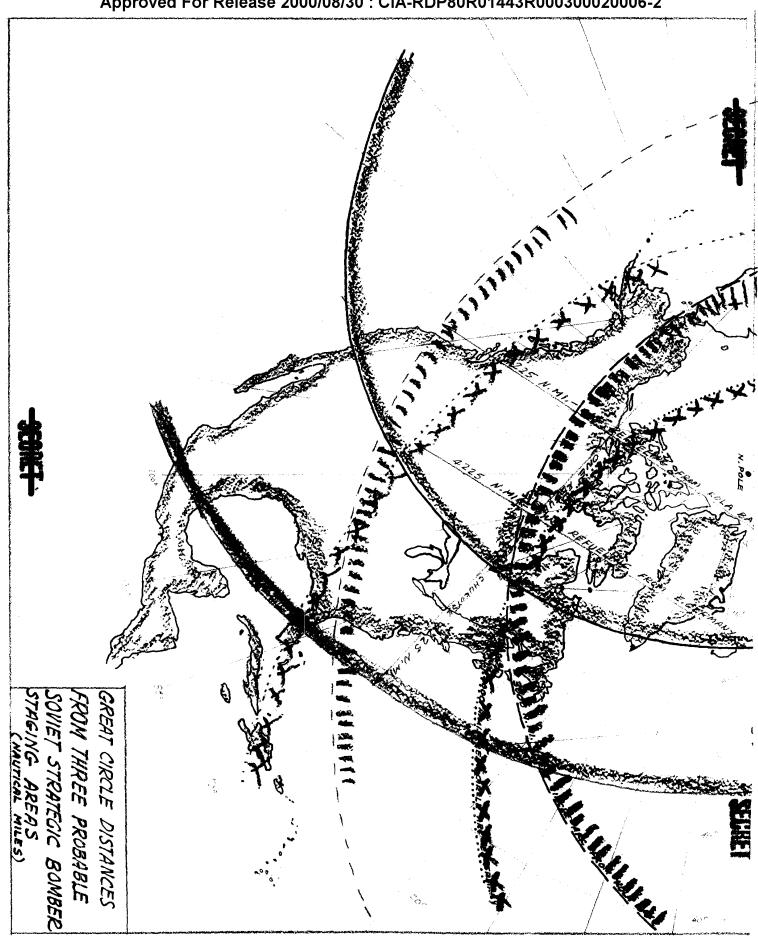
CHONEL -

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Background

	Comparison of the Ba	asic Missions	of	and US B-52
25X1D	•			US B-52
25X1X7				
	Take off weight (pounds)		345,000	390,000
25X1C	Bomb load (pounds)		10,000	10,000
	Combat radius (NM)		2,350	3,160
	Combat range (NM)		4,360	6,560
	Target altitude (feet)		41,200	46,700
	Maximum Target śpeed (knots)		492	480

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